

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, or listings, of claims in this application.

1. (Currently Amended) ~~In the A~~ process for producing graft polymers of the ABS type by the emulsion method, wherein

5 to 95% by weight of a monomer mixture containing

A) 50 to 99% by weight of at least one styrene,

B) 1 to 50% by weight of ~~at least one~~ acrylonitrile,

the percent being relative to the total weight of (A) and (B),

are polymerized in the presence of

C) 95 to 5% by weight of one or more polybutadienes,

the improvement comprising continuously monitoring the Raman spectra of the reaction mixture and maintaining a concentration of unpolymerized styrene of less than 12 % by weight based on the weight of the polybutadiene by increasing or decreasing the feed rate of at least one styrene monomer or initiator, ~~if the concentration of styrene deviates from a selected value of less than 12 % by weight based on the weight of the polybutadiene.~~

2. (Original) The process according to claim 1, wherein the monomer concentrations are calculated from the Raman spectra by means of weighted subtraction.

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)